

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,436,175 B2
 APPLICATION NO. : 10/538,361
 ISSUE DATE : October 14, 2008
 INVENTOR(S) : Charles L. Epstein et al.

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page,

Item (75) Inventors:

After "Jeremy Magland," delete "North Wales," and insert -- Lansdale, --.

Column 2,

Lines 13-14, delete " $b_{\text{eff}}(f,t) = (f_1(t), \omega_2(t), \gamma^{-1}f)$." and insert -- $b_{\text{eff}}(f,t) = (\omega_1(t), \omega_2(t), \gamma^{-1}f)$. (5) --.

Column 3,

Lines 13-16, delete " $\sigma_1 = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$, $\sigma_2 = \begin{bmatrix} 0 & -i \\ -i & 0 \end{bmatrix}$, $\sigma_3 = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$ ". (11)"

and insert -- $\sigma_1 = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$, $\sigma_2 = \begin{bmatrix} 0 & -i \\ t & 0 \end{bmatrix}$, $\sigma_3 = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$. (11) --.

Column 4,

Line 11, delete " $\{\xi: \text{Im}\xi > 0\}$ " and insert -- $\{\xi: \text{Im}\xi > 0\}$ --.

Column 5,

Line 14, delete "win" and insert -- will --.

Column 6,

Line 14, after "vice-versa" insert -- . --.

Line 22, delete "arefree" and insert -- are free --.

Line 36, delete " $e^{i\phi(\xi)} r_{(\xi)}$ " and insert -- $e^{i\phi(\xi)} r_{(\xi)}$ --.

Column 8,

Line 22, delete " $\xi_j \delta(t-j\Delta)$ " and insert -- $\mu_j \delta(t-j\Delta)$ --.

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Column 10.

Line 49, delete “62=0.1” and insert -- $\delta_2=0.1$ --.
Line 51, delete “62=0.01” and insert -- $\delta_2=0.01$ --.
Line 54, delete “82=0.1” and insert -- $\delta_2=0.1$ --.
Line 56, delete “82=0.01” and insert -- $\delta_2=0.01$ --.

Column 11.

Line 54, delete “ $(r(\xi),$ ” and insert -- { $r(\xi),$ --.

Column 12.

Line 34, delete “ $t \in R,$ ” and insert -- $\xi \in R,$ --.

Column 13.

Line 48, delete “norning” and insert -- norming --.
Line 55, delete “coefficie” and insert -- coefficients and left --.

Column 18.

Line 61, delete “by:” and insert -- be the projections defined by --.

Column 19.

Line 8, delete “ $I_-:L^2$ ” and insert -- $I_-:L^2(S^1) \rightarrow I^-(S^1)$ be the projections defined by --.
Line 60, delete “ $If \in I^+(S^1),$ ” and insert -- If $g \in I^+(S^1),$ --.

Column 20.

Line 19, delete “had” and insert -- hard --.

Column 21.

Line 20, delete “t many” and insert -- that a has finitely many --.

Column 22.

Line 51, after “ $r \in L^\infty(S^1),$ ” insert -- $\zeta_j \in I^D \setminus \{0\},$ --.

Column 23.

Line 25, delete “pulse a” and insert -- pulse Ω --.
Lines 66-67, delete “profileagrees” and insert -- profile agrees --.

Column 24.

Line 6, delete “step A” and insert -- step Δ --.
Line 55, delete “pulse ω ” and insert -- pulse Ω --.

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Column 26,

Line 36, after "error" insert -- δ_1 . --.

Column 28,

Line 7, delete " $U_{\pm j} := I_{\pm j} P_{j\Delta}$." and insert -- $U_{\pm j} := T_{\pm j} P_{j\Delta}$. --.

Line 45, delete "ext" and insert -- extend --.

Column 32,

Line 38, after "data" insert -- . --.

Column 34,

Line 34, delete " γ the" and insert -- γ_j along with the --.

Column 35,

Lines 9-12, delete "

$$-y_{-j-1}^* = \frac{\Im(s_{j-1} A_{-,j-1})(0)}{\tilde{A}_{-,j-1}(0) - \Im(s_{j-1} E_{-,j-1})(0)} \quad (111)'' \text{ and insert --}$$

$$-y_{-j-1}^* = \frac{\Im(s_{j-1} A_{-,j-1})(0)}{\tilde{A}_{-,j-1}(0) - \Im(s_{j-1} B_{-,j-1})(0)} \quad (111) --.$$

Line 15, delete "T recursion" and insert -- The recursion --.

Line 62, after "are" insert -- the data --.

Column 36,

Lines 30-31, delete " $f(n) := \Im(r_j)(n+j)$ for $n+j < 0$." and insert -- $f(n) := \Im(r_j)(n+j)$ for $n+j < 0$. --.

Column 38,

Line 44, delete "typermire algorithe" and insert -- type algorithm. Rather one would specify the --.

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Column 41,
Lines 41-42, after "approximation" insert -- . --.

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